

Ceramic Metal is a two component, high performance fluid grade coating.

Ceramic is a two component, silicon carbide filled, brushable, room temperature curing surface coat. Ceramic is designed for use in copying moulds, masking frames, jigs, gauges and spot checking features.. Building up worn parts, pipes, resurfacing pipework. This product can be machined.

Special Features

- Excellent abrasion resistance
Excellent solvent resistance
Excellent durability

Mix Ratio	Resin		Hardener
By Weight	100	:	10

Surface Preparation: All dust and loose materials should be removed, all oil and grease should be removed with a suitable cleaning solvent. Metal surface should be blast cleaned to SA2.5 for best adhesion performance. Metal surfaces impregnated with salt should be heat treated to sweat out salts prior to blast cleaning.

Mixing & Application : Ceramic Resin should be mixed with HARDENER according to the indicated mixing ratio. Both components should be thoroughly mixed, care should be taken to avoid air entrapment and make certain that material at bottom and sides of container is thoroughly stirred into centre. The mixed material should be evenly applied to the mould by brush, in 0.5mm thick layers. A minimum of two layers should be applied, with a combined thickness of less than 2.5mm. To ensure that each coat adheres, wait until the first coat has gelled to a tack free state before applying successive coats. Ceramic is tack free if when a finger is lightly drawn across the surface no material sticks to it, but if firmly pressed, a mark will remain on the surface. The tack free stage is critical in the ceramic process and will vary between different ceramics. If the tack free stage is missed then it is likely that de-lamination between the ceramic layers or the ceramic and backing resin may result. Do not use below 5°C

Properties

SG2.3	
Mixing Ratio by weight:	Base 10, reactor 1
Appearance:	Base blue, Reactor amber
Curing times:	Touch—6 hrs, sanding—12hrs full strength 5 days
Solids Content:	100%
Comprehensive Strength:	89N/mm ²
Tensile Strength:	19N/mm ²
Flexural Strength:	62N/mm ²
Mohs Hardness:	8
Heat Distortion Temperature:	75 °C

Health and Safety

ALWAYS REFER TO THE HEALTH AND SAFETY COSHH SHEETS BEFORE USING THIS PRODUCT.

Coverage 1 kg = 1.8m² @ 250 micron depth

Storage

Ceramic and HARDENER should be stored in original, unopened containers between 5 and 25°C. KEEP THE PACKING TIGHTLY SEALED WHEN NOT IN USE. If stored under the above conditions, Ceramic will have a shelf life of 12 months, from the date of production.

Packaging

Ceramic is supplied in 1kg and 5kg containers.

HARDENER is supplied in 100g and 500g containers.